Batuhan Usluel

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EDUCATION

University of Illinois at Urbana-Champaign Jan 2022 – May 2024
Bachelor of Science in Computer Science + Economics *GPA: 3.93/4.00*

Purdue University Aug 2020 – Dec 2021
Bachelor of Science in Computer Science *GPA: 3.56/4.00*

EXPERIENCE

CME Group Chicago, IL
Software Engineer Intern May 2023 – Aug 2023
- Designed and implemented dynamic validators to introduce flexibility in the software testing process
- Optimized application performance, achieving a drastic reduction in execution time by over 85%
- Enhanced early error detection, significantly saving developer hours previously spent on troubleshooting
- Pivoted the application to become an indispensable tool in the routine development process

Software Engineer Intern May 2022 – Aug 2022
- Enhanced an application in Java used for real time testing of CMEs buyer seller matching engines
- Added ability to compare outputs of a known working version to a new prototype version
- Replaced periodic manual error checks with an automated alerting system
- Deployed Kafka to listen to engine and relay messages for performance and reliability logs

PROJECTS

RetailGPT | *Javascript, Node.js, Express, React, Docker, AWS* June 2023 – Present
- Developed a full-stack AI-powered chatbot using GPT-4 for enhanced Shopify customer support
- Utilized vector databases to index store pages and products, enabling on-demand retrieval and presentation of relevant information
- Built a responsive frontend using React and JavaScript, ensuring an intuitive user experience
- Engineered a scalable backend with Node.js and Express, deployed and managed on AWS

App Performance Tracker | *Javascript, Python* Sep 2022 – Dec 2022
- Developed a responsive and intuitive user interface using React and JavaScript, empowering app developers to track and compare their app's performance against competitors across Google Play and Apple App Stores
- Implemented real-time review tracking feature for the Play Store, enabling developers to monitor user sentiment and feedback over time, and correlating this with specific updates to their app
- Designed and implemented a Django backend, serving as a RESTful API that scrapes, processes, and delivers app performance data to the frontend

iDetect | *Python* Feb 2022
- Developed "iDetect," a real-time emotion analysis application, at the iMAKE hackathon, enabling speakers in virtual meetings to gauge audience engagement by analyzing video streams
- Utilized Python's DeepFace library for facial recognition and emotion classification
- Designed and implemented data visualization components to display real-time emotion statistics via tables and graphs

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript
Frameworks: React, Node.js, Express.js, Django, JUnit, Spring
Developer Tools: Git, Docker, Google Cloud Platform, AWS, VS Code, Visual Studio, IntelliJ, Eclipse, Postman,
Libraries: Pandas, NumPy, Matplotlib, Scikit-learn, Langchain